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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=7; day=20; hr=9; min=36; sec=32; ms=363; ]

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Application No: 10534780 Version No: 1.0

**Input Set:**

**Output Set:**

**Started:** 2009-07-17 10:30:11.660  
**Finished:** 2009-07-17 10:30:14.041  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 381 ms  
**Total Warnings:** 30  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 30  
**Actual SeqID Count:** 30

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Error code      Error Description

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<110> APPLICANT: Performance Plants, Inc.  
<120> TITLE OF INVENTION: Hydroxypyruvate Reductase Nucleic Acids, Polypeptides, Promoter  
Elements and Methods of Use Thereof in Plants  
<130> FILE REFERENCE: 22542-010-061  
  
<140> CURRENT APPLICATION NUMBER: 10534780  
<141> CURRENT FILING DATE: 2009-07-17  
<150> PRIOR APPLICATION NUMBER: 60/427,204  
<151> PRIOR FILING DATE: 2002-11-18  
<160> NUMBER OF SEQ ID NOS: 30  
<170> SOFTWARE: PatentIn version 3.2

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<210> SEQ_ID NO 1
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<212> TYPE: DNA
<213> ORGANISM: Artificial
<220> FEATURE:
<223> OTHER_INFORMATION: Hydroxypyruvate_reductase (HPR) nucleic acid sequence
<400> SEQUENCE: 1
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gagatatgtc atttgaagaa gacaatcttgc tctgtagaag atatcattga tctgatcgga 180  
gacaagtgtg atggagtcat cggtcaggTg acggaagatt ggggagagac tctgttctca 240  
gtcttgagca aagctggagg gaaagcttgc agtaacatgg ccgttggTT taacaacgtt 300  
gatgttgaag ctggcaataa gtatggatt gctgtcggtt acactccggg agtgttact 360  
gagacgacgg ctgaactagc tgcttcttgc tccttggctg ctgcaagaag aatttgtgaa 420  
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aacttactta aaggacagac tggcttggattt attggagctg gacgtattgg atctgtttat 540  
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cctgtgacat gggaaacgagc ttcttgcgtc gagggatggc tgcgtgggc tgatctgata 720  
agtcttccacc cggtgcttgc caaaaaccact taccatcttgc tcaacaaggg gaggcttgc 780  
atgtatggaaa aggaagcaat ctttgttgcac tgcacggatg gtcctgtgtat cgatggggca 840  
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gaagagccat tcatgaaacc agggcttgc gatacgaaaa acgttattgt tggatcttgc 960  
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<210> SEQ ID NO 2  
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<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: encoded HPR protein sequence

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Arg Val Val Ser Thr Lys Pro Met Pro Gly Thr Arg Trp Ile Asn Leu
20 25 30
Leu Val Asp Gln Gly Cys Arg Val Glu Ile Cys His Leu Lys Lys Thr
35 40 45
Ile Leu Ser Val Glu Asp Ile Ile Asp Leu Ile Gly Asp Lys Cys Asp
50 55 60
Gly Val Ile Gly Gln Leu Thr Glu Asp Trp Gly Glu Thr Leu Phe Ser
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<213> ORGANISM: Artificial  
<220> FEATURE:  
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ggcggtgaa	gcgtttcgt	tcaagaatgg	atcgactcg	ttcgggtcat	gccaatcg	120
gtacccttg	actctccga	ggacgttga	agctgaa	gtagccattc	cttcacag	180
ccacttggaa	gcagaagcaa	tgtgaggaac	aacaatagcg	ttttcgtat	cagcaagccc	240
tggtttcatg	aatggctt	cctcgaacac	atcgagacca	actcggaaca	tcgggtctc	300
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gattgcttcc	tttttcatca	tggcaagcct	ctccttgtt	acaagatgg	aagtggttt	420
gtccagcacc	gggtgaagac	ttatcagatc	agcctcacgc	agcacctcct	ccatggacga	480
aqctcqttt	catgtcacaq	gttqttctcc	atttqttt	aaaactqtc	cataagctq	540

cacaatttc tcaagacgag tggattggt aagatcaaag tagatcaaat tcatcttga	600
cccttccacc atcattctag cataagcaga tccaatacgt ccagctccaa taactccac	660
agtctgtcct ttaagtaagt tccccacaaa cagatgagga agccatccct cgtacaagcc	720
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gatgactcca tcacactgt ctccgatcg atcaatgata tcttctacag acaagattgt	1020
cttcttcaaa tgacatatct caacgcgaca accttggctc accaagagat tgatccagcg	1080
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aatggacacc ggtttcgcca t	1161

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gaagcagcag aagccttgcatcttcctt tgtctcaacc tgaaactctt tttttctt	60
cattgttgtctctttca ctgtggatgt agataattgt ttttaatgaa atgaagaat	120
attgatttgc ctttgacat aattttgtta ataatcttga ttacaaattt tagtcagtgt	180
ttgatgcata gttgcataact gcagagttga gtttggatat ggccacgtca gcattatctc	240
gttacaaaaa cgtaaggccttcc aaactcagat aatacaaaacg aagcagttct ttgtcactct	300
atcatcaaca tatgaaccac accaaaaaaag aacaaaatcg tagataatga tcatgcaaaa	360
ccgaccgttg gatcttactt tcgatttcaa accacataaa tcttagtgac tgagctaaaa	420
aactgaaaatt ttttaaaagg caagacctcc tctgtttcca tatttcacc acagaagaac	480
tcttgaggct ttctcttttc tctaccatgg cg	512

<210> SEQ ID NO 5  
<211> LENGTH: 288  
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<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: HPR truncated promoter sequence  
<400> SEQUENCE: 5

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agttcttgt cactctatca tcaacatatg aaccacacca aaaaagaaca aaatcgtaga	120
taatgatcat gcaaaaccga ccgttggatc ttactttcgat tttcaaaacca cataaaatctt	180
agtgaactgag ctaaaaaact gaaattttt aaaaggcaag acctcctctg tttccatatt	240
ctcaccacag aagaactctt gaggcttctt cttttctcta ccatggcg	288

<210> SEQ ID NO 6  
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cgggatcctc atagcttcga aacaggcaa 29

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aaatctagac tttccaatag aagtaatcaa acc 33

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aaatctagac gtttccatgt cacaggttg 29

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aaaggatccc gccatggtag agaaaagaga 30

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aaaaaagctta cgtcagcatt atctcgttac 30

<210> SEQ ID NO 17  
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ctaatacgac tcactatagg gctcgagcgg ccgccccggc aggt 44

<210> SEQ ID NO 18  
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acctgccc 8

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ggatcctaat acgactcact atagggc 27

<210> SEQ ID NO 20  
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agctggcgta atagcgaaga 20

<210> SEQ ID NO 21  
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ctatagggct cgagcggc 18

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